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L3	45310	contact with data	US-PGPUB; USPAT	OR	OFF	2006/08/30 16:33
L4	48	l3 with schema	US-PGPUB; USPAT	OR	OFF	2006/08/30 16:34
L5	25	l4 and @ad<"20040217"	US-PGPUB; USPAT	OR	OFF	2006/08/30 16:34
S1	1	("20050182741").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/18 09:17
S2	2	("6557004" "5950193").pn.	US-PGPUB; USPAT	OR	OFF	2006/08/30 14:52
S3	5086	(707/1).ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/30 15:33
S4	50	("20050182741" "5978396" "6129820" "6249824" "5548360" "6041019" "6160685" "4420829" "4550395" "4764925" "4766433" "4851896" "4894730" "5182714" "5231381" "5393998" "5402151" "5422473" "5534686" "5550691" "5550361" "5764736" "5838041" RE35992 "5995324" "6008993" "6027367" "6128163" "6190942" "6243234" "4370533" "4400846" "4560228" "4897662" "4926274" "4944033" "4984291" "4989261" "4999742" "5025486" "5192859" "5218190" "5400215" "5410478" "5504315" "5526576" "5563984" "5569903" "5682032" "5721911").pn.	US-PGPUB; USPAT	OR	OFF	2006/08/30 14:53



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A Metadata Catalog Service for Data Intensive Applications - group [All articles](#) [Recent articles](#)
of 5 »

G Singh, S Bharathi, A Chervenak, E Deelman, C ... - Proceedings of the 2003 ACM/IEEE conference on ..., 2003 - portal.acm.org

... all or part of this work for **personal** or classroom ... that describe writers of metadata, including **contact** information. ... using the Dublin Core [13] **schema** from the ...

[Cited by 66](#) - [Related Articles](#) - [Web Search](#)

Understanding Web Service Interoperability

F Cohen - 2002 - www-106.ibm.com

... XML **Schema** specifies that any number of digits after ... to the worldwide success of **personal** computers since 1975. ... at www.PushToTest.com. You can **contact** Frank at ...

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[book] Xml Data Management: Native XML and XML-Enabled Database Systems - group of 3 »

AB Chaudhri, A Rashid, R Zicari - 2003 - books.google.com

... For sales outside of the US, please **contact**: ... Chapter 3 eXist Native XML Database
3.1 Introduction 3.2 Features 3.2.1 **Schema**-less XML Data Store 3.2.2 ...

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Developing Web services for C and C+ - group of 3 »

R van Engelen, G Gupta, S Pant - Internet Computing, IEEE, 2003 - ieeexplore.ieee.org

... rate = computeRate(person); // compute the **personal** rate return ... as primitive, built-in XML **schema** types. ... which allows arbitrary graph-based **data** struc- tures ...

[Cited by 12](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Virtual Database technology, XML, and the Evolution of the Web - group of 3 »

STS Prasad, A Rajaraman - Data Engineering Bulletin, 1998 - ics.uci.edu

... **Personal** use of this material is permitted ... The **schema** for this VDB includes 31 attributes of interest ... title, job category, job location, and **contact** information ...

[Cited by 7](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

eXist: An Open Source Native XML Database - group of 9 »

W Meier - Web, Web-Services, and Database Systems. NODe, 2002 - net.objectdays.org

... validate a document against a **schema** or DTD ... office>664455</office> <home>445566</home> </phone> </contact> ... details concerning the index and **data** organization. ...

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Data structure for genetically modified foods - group of 2 »

J Lindenmeyer, W Hemmer, L Auberson, D Omlin, M ... - Structure of a database for the DMIF-GEN project SMT4-CT96- ..., 1999 - inf.ethz.ch

... Eg: **contact_id**, **contact-person_id**, **decision_id**, **detection_id**, **element_id** ... the development of the logical **schema** of the ... database-tool for **personal** computers with ...

[Cited by 2](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Aspects of Aboriginal English oral discourse: an application of cultural schema theory

IG Malcolm, F Sharifian - Discourse Studies, 2002 - dis.sagepub.com

... that are abstracted from the intra-**personal** life experiences ... to apply the concept of **schema** as defined ... IG (2000) 'Aboriginal English: From **Contact** Variety to ...

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The Protein Data Bank - group of 46 »

HM Berman, J Westbrook, Z Feng, G Gilliland, TN ... - Nucleic Acids Research, 2000 - nar.oupjournals.org

Institution: Google Indexer Sign In as **Personal** Subscriber. ... database is a subset of the conceptual **schema** specified by ... amino acid residue (13) or C **contact** maps ...

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Learning module for the degree of

IT MSc - 2002 - 80.61.42.21

... database of his records or his **personal contacts**, XML could ... of XML related tools, like XML **Schema**, Query languages ... For access to the **data** a **Native** XML Database ...

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Microsoft Windows SharePoint Services (version 3) sends the data from InfoPath forms used in ... For information on the **schema of the contact data XML**, ...
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How To: Configure a Contact Selector Control on Your InfoPath ...

To configure the **schema** for a Contact Selector control. In Microsoft Office InfoPath 2007, insert the Contact Selector control into your form, ...
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Unitek: Training: Microsoft CRM 3.0 Data Migration

Detailed Data Planning spreadsheet for mapping source data **schema** to Microsoft CRM;
Source Data Assessment spreadsheet for documenting overview information ...
www.unitek.com/training/descs/8530.php - 101k - [Cached](#) - [Similar pages](#)

[PDF] Semantic Object Models with Tabledesigner APPENDIX

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Microsoft Access or other databases. In addition, you can reverse engineer an ... Create a copy of the database **schema**, without data, and use ...
www.tabledesigner.com/Kroenke_Tabledesigner.PDF - [Similar pages](#)

Integration with Microsoft Outlook - CRM - CiviCRM Wiki

CiviCRM **schema** would need to have some sort of mapping tables which would map each ... Send Outlook **contact data** to CiviCRM (via SOAP as used by Vtiger). ...
wiki.civicrm.org/confluence/display/CRM/Integration+with+Microsoft+Outlook - 24k - [Cached](#) - [Similar pages](#)

EP1431897 Microsoft european software patent - Contact schema - Gauss

EP1431897 Microsoft corp (US): Contact **schema Schema** für kontaktadressen Schema de ... If the desired **contact data** for each of the different entities is ...
gauss.ffii.org/PatentView/EP1431897 - 71k - [Cached](#) - [Similar pages](#)

Microsoft Office Reference Guide > Using Outlook with a Cell Phone

Microsoft Office Guide. Tom Bunzel. Your host Tom Bunzel ... If I opened that folder, I located my three saved contacts, along with an XML **schema** file. ...
www.informit.com/guides/content.asp?g=msooffice&seqNum=54 - 31k - [Cached](#) - [Similar pages](#)

XML Address Book - XML Consulting and Training by Andrew M ...

comma-separated values, for import into a mail program such as Microsoft Outlook ... Consult the XML Address Book **schema** for the content of each of the ...
www.ama3.com/addybook/ - 40k - [Cached](#) - [Similar pages](#)

Contact adds software by StanfordTrident, Inc. and others

GeniusConnect makes it possible to synchronize Outlook **Contact data** with any relational ... Adds for Outlook is a plug-in component for Microsoft Outlook. ...
www.freedownloadcenter.com/Best/contact-adds.html - 42k - [Cached](#) - [Similar pages](#)

CDOLive - Exchange 2000 Feature Overview

You can use CDO 3.0 to easily manipulate **Microsoft** Exchange 2000 Web Storage System items. Note that this requires a **schema** built into the object model, ...

www.cdolive.com/exch.htm - 28k - [Cached](#) - [Similar pages](#)

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Duontology: an Approach to Semantic Portals based on Domain and Visualization Ontology [All articles](#) [Recent articles](#)

J Contreras, VR Benjamins, J Prieto, D Paton, S ... - 2003 - isoco.com
... information, news headlines, **contact** information, chats ... headers, product or **personal**
descriptions, login ... ontology called, publication **schema**, allows organizing ...
[Cited by 3](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Identity Management Based on P3P - group of 5 »

M Köhntopp, O Bertold - Proc. Workshop on Design Issues in Anonymity and ..., 2000 - 123.koehntopp.de
... STATEMENT> [... PURPOSE> <admin /> <**contact** /> <current /> </PURPOSE ... **personal**
transaction pseudonym - - time limit, or ... com/voucher-**schema**> <DATA ref="#book ...
[Cited by 8](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Australasian Virtual Engineering Library: Collaborative Development of a Global Resource - group of 3 »

D Radcliffe, G Cribb, C Hill - 2000 ASEE Annual Conference & Exposition: Engineering ..., 2000 - asee.org
... on such things as a metadata **schema** and resource ... through the consultation of **personal**
contacts, or both ... patents, standards, materials **data** sheets, occupational ...
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Translating privacy practices into privacy promises-how to promise what you can keep - group of 3 »

G Karjoth, M Schunter, E Van Herreweghen - Policies for Distributed Systems and Networks, 2003. ..., 2003 -
ieeexplore.ieee.org
... **data** subject must have consented before **personal data** can be ... Figure 5. Enterprise-
specific P3P **data schema** ... can read customer postal **contact data** for delivery ...
[Cited by 13](#) - [Related Articles](#) - [Web Search](#)

THE MARINE IRISH DIGITAL ATLAS: A WEB PORTAL TO COASTAL AND MARINE DATA IN IRELAND

N Dwyer, LO'Dea, V Cummins - Proceedings from CoastGIS, 2003 - mida.ucc.ie
... There is no accepted **schema** for categorisation of ... other organisations' websites,
conferences and **personal contacts**. ... of coastal and marine **data** and provide an ...
[Cited by 2](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

A cost analysis of the Heart Manual

B Graham - 2002 - isdscotland.org
... eg District Nurse) for 1 hour **contact** visit at ... Health and Social Care 2001, **Schema**
11.1 'Hospital ... University of Kent at Canterbury, **Personal Social Services** ...
[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

The General Public's Cognitive and Emotional Perception of Mental Illnesses: An Alternative to ... - group of 2 »

A Hillert, J Sandmann, SC Ehlig, H Weisbecker, HM ... - The Image of Madness. The Public Facing Mental
Illness and ..., 1999 - content.karger.com
... table 3). People who are not in **contact** with mentally ... also by a wide spectrum of
other **personal** aspects of ... may also open up new perspectives: a **schema** is not a ...
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Using organisational safeguards to make justifiable privacy decisions when processing personal data - group of 2 »

MS Olivier - Proceedings of the 2003 annual research conference of the ..., 2003 - portal.acm.org
... be done for valid purposes for using **personal** information ... fields that the organisation stores (that is, the **schema**). ... s preference (such as when **contact** with the ...
[Cited by 1](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Key factors for personal health monitoring and diagnosis devices - group of 2 »

M Schwaibold, M Gmelin, G Wagner, J Schchlin, A ... - 2nd Conference: Workshop on Mobile Computing in Medicine (..., 2002 - mocomed.org
... The use of XML-**Schema** for the validation of **data** will ... 4: Online patient record with basic **data**, **contact** addresses and ... using the access code on the **personal** card ...
[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Semantic Web construction: an inquiry of authors' views on collaborative metadata generation

J Greenberg, WD Robertson - Proceedings of the International Conference on Dublin Core ..., 2002 - bncf.net
... fact that they created a "meta- **data** record ... methods were "face to face" (**personal contact**) and "electronic ... The NIEHS metadata **schema** is an application ...
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1 [DBMS implementation experience: A generalized DBMS implementation on a database machine](#)



Asuman Dogac, Esen A. Ozkarahan

 May 1980 **Proceedings of the 1980 ACM SIGMOD international conference on Management of data SIGMOD '80**

Publisher: ACM Press

 Full text available: [pdf\(1.20 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The design and implementation of a generalized database management system based on the RAP database machine is described. The GDBMS architecture, while is similar to the ANSI/SPARC view, has differences in the interpretation of its physical levels. The E/R model is chosen as the Meta Data Model (Conceptual Schema) which generates external model interfaces consisting of the relational, network, and hierarchical models. The SEQUEL, LSL, MRI --- like languages are supported at these interfaces. Str ...

Keywords: DDL, DML, E/R model query languages, GDBMS, RAP database machine, associative processors, data models, database machines, operational transformations, schemas, structural transformations

2 [Dynamic query optimization on a distributed object management platform](#)



Fatma Ozcan, Sena Nural, Pinar Koksai, Cem Evrendilek, Asuman Dogac

 November 1996 **Proceedings of the fifth international conference on Information and knowledge management**

Publisher: ACM Press

 Full text available: [pdf\(909.11 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [METU interoperable database system](#)



A. Dogac, C. Dengi, E. Kilic, G. Ozhan, F. Ozcan, S. Nural, C. Evrendilek, U. Halici, B. Arpinar, P. Koksai, N. Kesim, S. Mancuhan

 September 1995 **ACM SIGMOD Record**, Volume 24 Issue 3

Publisher: ACM Press

 Full text available: [pdf\(145.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

METU Interoperable Database System (MIND) is a multidatabase system that aims at achieving interoperability among heterogeneous, federated DBMSs. MIND architecture if


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1 [Query Language for Semantic Web: EDUTELLA: a P2P networking infrastructure based on RDF](#)



Wolfgang Nejdl, Boris Wolf, Changtao Qu, Stefan Decker, Michael Sintek, Ambjörn Naeve, Mikael Nilsson, Matthias Palmér, Tore Risch

 May 2002 **Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(331.38 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Metadata for the World Wide Web is important, but metadata for Peer-to-Peer (P2P) networks is absolutely crucial. In this paper we discuss the open source project Edutella which builds upon metadata standards defined for the WWW and aims to provide an RDF-based metadata infrastructure for P2P applications, building on the recently announced JXTA Framework. We describe the goals and main services this infrastructure will provide and the architecture to connect Edutella Peers based on exchange of ...

Keywords: e-Learning, peer-to-peer, query languages, semantic web

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1 [Supporting application development in the semantic web](#)



Daniel Oberle, Steffen Staab, Rudi Studer, Raphael Volz

May 2005 **ACM Transactions on Internet Technology (TOIT)**, Volume 5 Issue 2

Publisher: ACM Press

Full text available: [pdf\(1.89 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Semantic Web augments the current WWW by giving information a well-defined meaning, better enabling computers and people to work in cooperation. This is done by adding machine understandable content to Web resources. Such added content is called metadata, whose semantics is provided by referring to an ontology---a domain's conceptualization agreed upon by a community. The Semantic Web relies on the complex interaction of several technologies involving ontologies. Therefore, sophisticated Sem ...

Keywords: Application server, KAON, KAON SERVER, Semantic Web, Wonder-Web, extensibility, interoperation, middleware, ontology, reuse, semantic middleware

2 [Semantic web applications: CS AKTive space: representing computer science in the semantic web](#)



m. c. schraefel, Nigel R. Shadbolt, Nicholas Gibbins, Stephen Harris, Hugh Glaser

May 2004 **Proceedings of the 13th international conference on World Wide Web**

Publisher: ACM Press

Full text available: [pdf\(346.31 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a Semantic Web application that we call CS AKTive Space. The application exploits a wide range of semantically heterogeneous and distributed content relating to Computer Science research in the UK. This content is gathered on a continuous basis using a variety of methods including harvesting and scraping as well as adopting a range of models for content acquisition. The content currently comprises around ten million RDF triples and we have developed storage, retrieval and maintenance methods ...

Keywords: ontologies, semantic web, semantic web challenge groups

3 [Special section on semantic web and data management: A conceptual architecture for semantic web enabled web services](#)



Christoph Bussler, Dieter Fensel, Alexander Maedche



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Relevance scale ☐ ☐ ☐ ☐ ☐1 [Poster Session: Database selection in intranet mediators for natural language queries](#)

Fang Liu, Shuang Liu, Clement Yu, Weiyi Meng, Ophir Frieder, David Grossman

October 2005 **Proceedings of the 14th ACM international conference on Information and knowledge management CIKM '05**

Publisher: ACM Press

Full text available: [pdf\(234.12 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)**Keywords:** database selection, mediator, natural language query, ontology2 [On the design and evaluation of a multi-dimensional approach to information retrieval \(poster session\)](#)

M. Catherine McCabe, Jinho Lee, Abdur Chowdhury, David Grossman, Ophir Frieder

July 2000 **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: [pdf\(331.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a method of searching text collections that takes advantage of hierarchical information within documents and integrates searches of structured and unstructured data. We show that Multidimensional databases (MDB), designed for accessing data along hierarchical dimensions, are effective for information retrieval. We demonstrate a method of using On-Line Analytic Processing (OLAP) techniques on a text collection. This combines traditional information retrieval and the slicing, dic ...

3 [Blueprint for the future of high-performance networking: Data integration in a bandwidth-rich world](#)

Ian Foster, Robert L. Grossman

November 2003 **Communications of the ACM**, Volume 46 Issue 11

Publisher: ACM Press

Full text available: [pdf\(225.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
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Inexpensive storage and wide-area bandwidth (with prices for both declining at least as fast as Moore's Law) drive demand for middleware to integrate, correlate, compare, and



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1 [Industrial sessions: beyond relational tables: An ebXML infrastructure implementation](#)



[through UDDI registries and RosettaNet PIPs](#)

Asuman Dogac, Yusuf Tambag, Pinar Pembecioğlu, Sait Pektas, Gokce Laleci, Gokhan Kurt, Serkan Toprak, Yildiray Kabak

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data SIGMOD '02**

Publisher: ACM Press

Full text available: [pdf\(1.25 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Today's Internet based businesses need a level of interoperability which will allow trading partners to seamlessly and dynamically come together and do business without ad hoc and proprietary integrations. Such a level of interoperability involves being able to find potential business partners, discovering their services and business processes, and conducting business "on the fly". This process of dynamic interoperation is only possible through standard B2B frameworks. Indeed a number of B2B ele ...

2 [Research session: integration and mapping #2: Semantic adaptation of schema mappings when schemas evolve](#)

Cong Yu, Lucian Popa

August 2005 **Proceedings of the 31st international conference on Very large data bases VLDB '05**

Publisher: VLDB Endowment

Full text available: [pdf\(355.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Schemas evolve over time to accommodate the changes in the information they represent. Such evolution causes invalidation of various artifacts depending on the schemas, such as *schema mappings*. In a heterogeneous environment, where cooperation among data sources depends essentially upon them, schema mappings must be adapted to reflect schema evolution. In this study, we explore the *mapping composition* approach for addressing this *mapping adaptation* problem. We study the seman ...

3 [Preserving mapping consistency under schema changes](#)

Yannis Velegrakis, J. Miller, Lucian Popa

September 2004 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 13 Issue 3

Publisher: Springer-Verlag New York, Inc.

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1 [Preserving mapping consistency under schema changes](#)

Yannis Velegarakis, J. Miller, Lucian Popa

 September 2004 **The VLDB Journal — The International Journal on Very Large Data**
Bases, Volume 13 Issue 3

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 Full text available: [pdf\(327.88 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

In dynamic environments like the Web, data sources may change not only their data but also their schemas, their semantics, and their query capabilities. When a mapping is left inconsistent by a schema change, it has to be detected and updated. We present a novel framework and a tool (ToMAS) for automatically adapting (rewriting) mappings as schemas evolve. Our approach considers not only local changes to a schema but also changes that may affect and transform many components of a schema. Our alg ...

2 [Research articles and surveys: Peer-to-peer management of XML data: issues and research challenges](#)

Georgia Koloniari, Evaggelia Pitoura

 June 2005 **ACM SIGMOD Record**, Volume 34 Issue 2

Publisher: ACM Press

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Peer-to-peer (p2p) systems are attracting increasing attention as an efficient means of sharing data among large, diverse and dynamic sets of users. The widespread use of XML as a standard for representing and exchanging data in the Internet suggests using XML for describing data shared in a p2p system. However, sharing XML data imposes new challenges in p2p systems related to supporting advanced querying beyond simple keyword-based retrieval. In this paper, we focus on data management issues fo ...

3 [Data management research at the MITRE Corporation](#)

Arnon Rosenthal, Len Seligman, Catherine McCollum, Barbara Blaustein, Bhavani

Thuraisingham, Edward Lafferty

 September 1995 **ACM SIGMOD Record**, Volume 24 Issue 3

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